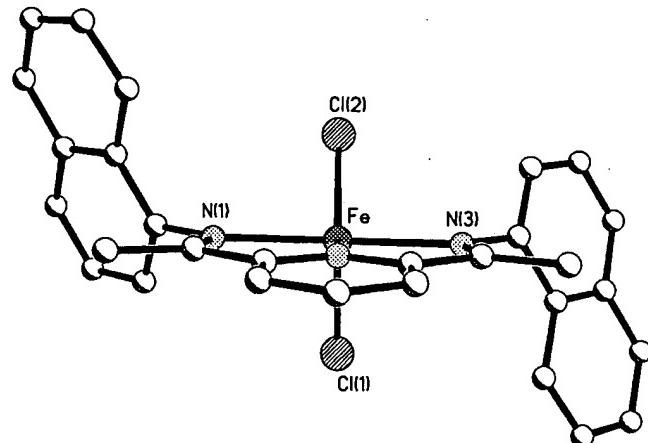




[0066] 2,6-bis[1-(1-naphthylimino)ethyl]pyridine iron dichloride (Complex 2) has the structure shown in the formula below:



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[0067] While the illustrative embodiments of the invention have been described with particularity, it will be understood that various other modifications will be apparent to and can be readily made by those skilled in the art without departing from the scope of the invention. Accordingly, it is not intended that the scope of the claims appended hereto be limited to the examples and descriptions set forth herein but rather that the claims be construed as encompassing all the features of patentable novelty which reside in the present invention, including all features which would be treated as equivalents thereof by those skilled in the art to which this invention pertains.

[0064] Table 2. Selected lengths and angles of C<sub>2</sub> symmetric iron complexes:

Length (Å) or Angle (deg) of Bonds	Complex 1	Complex 2
Fe-N(imine)	2.177; 2.228	2.222; 2.227
Fe-N(pyridine)	2.100	2.103
N(imine)-C(L)	1.453; 1.474	1.430; 1.439
N(imine)-Fe-N(imine)	146.6	146.8
Fe-N(imine)-C(L)	117.9; 123.6	122.4; 121.7
C-N(imine)-C(L)	119.6; 123.1	120.3; 121.1

Complex 1: 2,6-[bis-1-(1-indanylimino)ethyl]pyridine iron (II) chloride

Complex 2: 2,6-bis[1-(1-naphthylimino)ethyl]pyridine iron dichloride

\*Complex 1 and 2 have the formulas shown above:

[0065] 2,6-[bis-1-(1-indanylimino)ethyl]pyridine iron (II) chloride (Complex 1) has the structure shown in the formula below:

